

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IN 2005/000042

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: C21C 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: C21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPOQUE; WPI; PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/10181 A1 (ZAWOWSKI et al.) 2 August 2001 (02.08.2001) <i>abstract; page 2, paragraph [0012]; page 2, paragraphs [0020]-[0021]; claims 1-3.</i>	1
X	US 4892580 A (NEUER) 9 January 1990 (09.01.1990) <i>claims 1-6.</i>	1,4,5,7,8
X	EP 0123632 A1 (VALLOUREC) 31 October 1984 (31.10.1984) <i>page 5, example 1; claims 5,6.</i>	1,6-8

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 25 May 2005 (25.05.2005)	Date of mailing of the international search report 8 June 2005 (08.06.2005)
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4094666 A (OTOTANI) 13 June 1978 (13.06.1978) <i>abstract; column 1, lines 33-38; column 2, lines 11-16; column 4, lines 18-31; column 4, lines 48-61; examples 1, 3; figure 1; claims 1, 2.</i>	1-8

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/IN 2005/000042**

Patent document cited In search report	Publication date	Patent family member(s)	Publication date
EP A 123632		ZA A 8401899 MX A 160762 ES A1 8504945 EP A1 0123632 DE D1 3460903D CA A1 1226737	1984-10-31 1990-05-09 1985-07-16 1984-10-31 1986-11-13 1987-09-15
US A 20011018 1		none	
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US A 4892580	1990-01-09	JP A 1162716 BR A 8806056 EP A1 0316921 DE D1 3880972D AT T 89325T	1989-06-27 1989-08-08 1989-05-24 1993-06-17 1993-05-15